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AUTEC POWER SYSTEMS

Open Frame 3"X5" Universal Input AC/DC Converter

Dual Output 5V/12V 50W(1)

Model UPS50-2002
Model UPS51-2002

OUTPUT	Model	Voltage		Current			Ripple & Noise	Regulation (4)	
		Rated	Tolerance	Min	Rated	Max (3)		Load	Line
Main	UPS50-2002	+5.0V DC	+/-3.00%	0.2A	3.0A		50mV	3.00%	0.50%
		+12.0V DC	+/-5.00%	0.1A	3.0A	5.5A	120mV	5.00%	1.00%
	UPS51-2002	+5.0V DC	+/-3.00%	0.2A	3.0A	4.0A	50mV	3.00%	0.50%
		+15.0V DC	+/-5.00%	0.1A	3.0A	3.0A	120mV	5.00%	1.00%
Auxiliary	*FAN*	+12.0V DC	n/a	n/a	0.1A	n/a	n/a	n/a	n/a
	LED	+5.0V DC	n/a	n/a	10mA	n/a	n/a	n/a	n/a

INPUT		Min	Nom	Max
Voltage AC	Universal AC	90VAC		260VAC
Frequency		47Hz		63Hz
Inrush Current	At Min 115 VAC Max 230 VAC	20A		40A
Switching Frequency			40K Hz.	
Fusing	2A, Slow-blow 115/230 VAC Non-User Serviceable			

GENERAL SPECIFICATIONS		
Efficiency	At full Load 120VAC	*68%min*
Overvoltage Protection	UPS50-2002	+5 exceeds 5.8V causes shutdown, automatic recovery.
	UPS51-2002	+5 exceeds 6.8V causes shutdown, automatic recovery.
Overload Protection	All outputs protected against short circuit conditions, automatic recovery.	
Environmental		
Temperature coefficient	0.02%/°C, All outputs	
Temperature Range	**Operation**	0 to 50°C at rated output power. Derates linearly to 50% power at 70°C.
	Storage	-55°C to 85°C
Safety, Regulatory & EMI		
Agency Approvals	UL60950	
	CSA C22.2 N0.234	
	TUV EN60950	
Hi-pot	3600 VAC input to output for 1 second.	
EMI	Meets F.C.C part 15 class 'B' conducted.	

Autec Power Systems
685 E Cochran St, Simi Valley, CA93065

www.autec.com

Tel: (805)522-0888
Fax: (805)522-8777

Model UPS50-2002
Model UPS51-2002

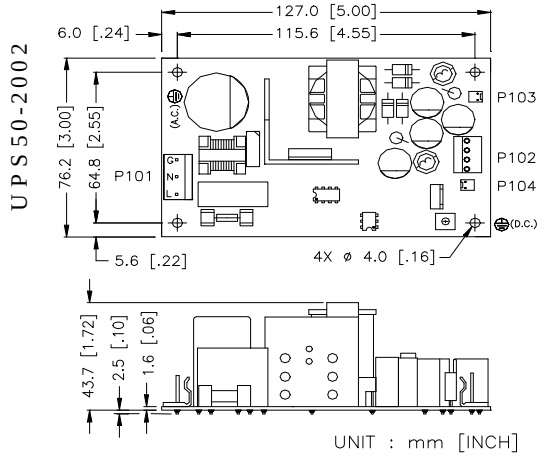
PIN ASSIGNMENTS UPS50-2002				
CONNECTOR	P101	P102	P103	P104
FUNCTION	AC INPUT	DC OUTPUT	FAN	LED
PIN 1	LINE	+12V	COM	COM
PIN 2	N/C	COM	+12V	+5V
PIN 3	NEUTRAL	COM		
PIN 4	N/C	+5V		
PIN 5	F.G.			
MOLEX (or equiv)	09-65-2058	09-65-2048	09-65-2028	22-04-1021
MATING	09-50-1051	09-50-1041	09-50-1021	22-01-3027

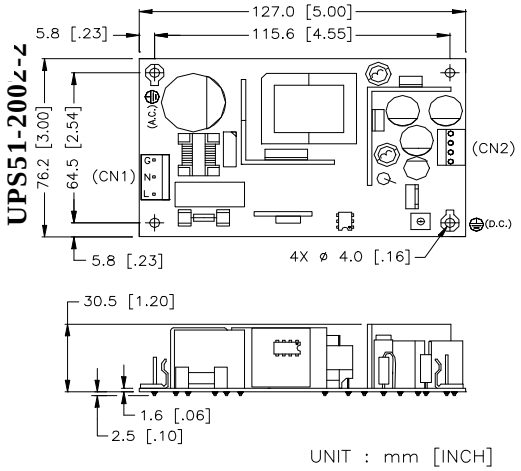
PIN ASSIGNMENTS UPS51-2002		
CONNECTOR	P101	P102
FUNCTION	AC INPUT	DC OUTPUT
PIN 1	LINE	+12V
PIN 2	N/C	COM
PIN 3	NEUTRAL	COM
PIN 4	N/C	+5V
PIN 5	F.G.	
MOLEX (or equiv)	09-65-2058	09-65-2048
MATING	09-50-1051	09-50-1041

UPS50-2002			WIDTH	LENGTH	HEIGHT
OUTLINE		inch	3.00	5.00	1.72
		mm	76.2	127.0	43.7
MOUNTING		inch	2.55	4.55	N/A
		mm	64.8	115.6	N/A

UPS51-2002			WIDTH	LENGTH	HEIGHT
OUTLINE		inch	3.00	5.00	1.10
		mm	76.2	127.0	27.9
MOUNTING		inch	2.54	4.55	N/A
		mm	64.5	115.6	N/A

SHIPPING SPECIFICATIONS			
MODEL	UNITS PER CARTON	CARTON WEIGHT	
UPS50-2002	56.0	18.5 Kgs	40.1 Lbs
UPS51-2002	64.0	18.5 Kgs	40.1 Lbs





NOTES:

1. The power supply may be capable of more than the specified continuous and/or peak ratings, depending on the application. Consult factory Sales Engineer for feasibility.

2. Minimum load specified assures output voltage stability for all specified line voltage conditions. Full compliance to the total regulation specification may require additional loading (not to exceed 25% of rated output current). Operation at no load will not damage the power supply.

3. Each output can provide its full rated output current, provided total wattage does not exceed nominal (continuous) rating.

4. Total regulation includes the combined effects of: a) initial set point of main output of ± 1% max; b) line regulation for any input voltage change between 90 & 264 VAC; c) load regulation for a MIN. –100% of rated continuous load change: assumes that the total continuous power rating of the supply is not exceeded. [See Note3]. Performance during peak loading conditions is not included in the figure.

5.Units that meet VDE level B also comply with FCC level B.

6.Specifications are subject to change without notice. Autec can not be held liable foe errors or omissions or the consequences thereof.

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